

UNITED STATES DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-SEP-2004

End Date: 30-SEP-2004

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: EC 49               | Date of Summary: 27-SEP-1994                      | First Sample Examined: 0 |
| Lease Number: G00932            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15444       |
| Well Name: 004                  | Paleo Done By: OPERATOR                           | Borehole TVD: 15440      |
| API Well Number: 177034066300   | Drilling Operator: VASTAR RESOURCES INC.          | Rkb Elevation: 99        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 53          |
| Public Info Code: Y 14-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                               | <u>Ecozone</u> |
|-----------------|--|----------------|
| 10850 /10849    | DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53 | DEF AT 0       |
| 12727 /12726    | DEF AT Middle Miocene (Langhian) Robulus "L" / 43          | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: EC 335              | Date of Summary: 16-OCT-1998                      | First Sample Examined: 0 |
| Lease Number: G02439            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11794       |
| Well Name: C011                 | Paleo Done By: OPERATOR                           | Borehole TVD: 10576      |
| API Well Number: 177044079600   | Drilling Operator: PENNZOIL EXPLORATION AND PROD  | Rkb Elevation: 104       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 262         |
| Public Info Code: Y 14-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

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## Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                          | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4160 / 4159     | DEF IN Middle Pleistocene (Ionian) Trimosina "A"      | DEF AT 0       |
| 5510 / 5509     | DEF AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 0       |
| 7760 / 7735     | DEF AT Upper Pliocene (Gelasian) Lenticulina 1        | DEF AT 0       |
| 10340 / 9664    | DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"    | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: EI 262              | Date of Summary: 23-AUG-2000                      | First Sample Examined: 0 |
| Lease Number: G03331            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15805       |
| Well Name: B005                 | Paleo Done By: OPERATOR                           | Borehole TVD: 14101      |
| API Well Number: 177094101300   | Drilling Operator: NEWFIELD EXPLORATION COMPANY   | Rkb Elevation: 81        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 165         |
| Public Info Code: Y 16-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                   | <u>Ecozone</u> |
|-----------------|--|----------------|
| 8400 / 8245     | POS AT Upper Pliocene                          | DEF AT 0       |
| 11100 / 10363   | DEF AT Lower Pliocene (Zanclian) Buliminella 1 | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: GA 343              | Date of Summary: 24-OCT-1994                      | First Sample Examined: 0 |
| Lease Number: G06105            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8633        |
| Well Name: A011                 | Paleo Done By: OPERATOR                           | Borehole TVD: 8629       |
| API Well Number: 427064021101   | Drilling Operator: WACKER OIL INC                 | Rkb Elevation: 112       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 73          |
| Public Info Code: Y 07-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>  | <u>Ecozone</u> |
|-----------------|-------------------------------|----------------|
| 6570 /          | DEF AT local marker (general) | DEF AT 0       |
| 6900 /          | POS AT Lower (Early) Miocene  | DEF AT 0       |

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|                                 |  |                             |
|---------------------------------|--|-----------------------------|
| Area Block: HI A 327            | Date of Summary: 04-JAN-1995           | First Sample Examined: 1000 |
| Lease Number: G02418            | Source of Paleo: OPERATOR              | Borehole MD: 3966           |
| Well Name: 004                  | Paleo Done By: PALEO-DATA, INC.        | Borehole TVD: 3946          |
| API Well Number: 427114071200   | Drilling Operator: ORYX ENERGY COMPANY | Rkb Elevation: 100          |
| Paleo Report Num: 1 of 2        | Sample Range: 1000 - 3966              | Water Depth: 220            |
| Public Info Code: Y 19-SEP-2004 | Ecozone Eq MMS: Y                      | Paleo ID: 002               |

## Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                     | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1000 / 1000     | DEF AT first sample examined                     | DEF AT 2       |
| 1420 / 1420     | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 3       |
| 3966 / 3946     | DEF AT last sample examined                      | DEF AT 3       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: HI A 327            | Date of Summary: 28-NOV-2001                      | First Sample Examined: 0 |
| Lease Number: G02418            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 3966        |
| Well Name: 004                  | Paleo Done By: OPERATOR                           | Borehole TVD: 3946       |
| API Well Number: 427114071200   | Drilling Operator: ORYX ENERGY COMPANY            | Rkb Elevation: 100       |
| Paleo Report Num: 2 of 2        | Sample Range: 0 - 0                               | Water Depth: 220         |
| Public Info Code: Y 19-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                     | <u>Ecozone</u> |
|-----------------|--|----------------|
| 1420 / 1420     | DEF AT Middle Pleistocene (Ionian) Trimosina "A" | DEF AT 0       |

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|                                 |  |                             |
|---------------------------------|--|-----------------------------|
| Area Block: MC 617              | Date of Summary: 27-JUL-2004                         | First Sample Examined: 2932 |
| Lease Number: G18265            | Source of Paleo: OPERATOR                            | Borehole MD: 19272          |
| Well Name: 001                  | Paleo Done By: PALEO-DATA, INC.                      | Borehole TVD: 19173         |
| API Well Number: 608174104400   | Drilling Operator: SPINNAKER EXPLORATION COMPANY LLC | Rkb Elevation: 89           |
| Paleo Report Num: 1 of 2        | Sample Range: 2932 - 19272                           | Water Depth: 563            |
| Public Info Code: Y 02-SEP-2004 | Ecozone Eq MMS: Y                                    | Paleo ID: 001               |

Remark: Foram species abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u>   | <u>Ecozone</u> |
|-----------------|--|----------------|
| 2932 / 2932     | DEF AT first sample examined   | DEF AT 4       |
| 2933 / 2933     | DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa                                      | DEF AT 4       |
| 4310 / 4309     | DEF AT faunal change (no faunal increase)  | DEF AT 5       |
| 4370 / 4369     | POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left) | DEF AT 5       |
| 4640 / 4637     | DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea                                  | DEF AT 5       |
| 5720 / 5713     | DEF AT faunal change (no faunal increase)  | DEF IN 5       |
| 5750 / 5743     | DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")                    | DEF IN 5       |
| 5840 / 5833     | DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"                             | DEF IN 5       |
| 5900 / 5892     | DEF AT faunal change (no faunal increase)  | DEF AT 5       |
| 6680 / 6669     | DEF AT faunal change (no faunal increase)  | DEF IN 5       |
| 7100 / 7088     | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica                                      | DEF IN 5       |
| 7130 / 7118     | DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica                                   | DEF IN 5       |
| 7190 / 7178     | DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata                                | DEF IN 5       |
| 7220 / 7208     | DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira                                   | DEF IN 5       |
| 7430 / 7417     | DEF AT faunal change (no faunal increase)  | DEF AT 5       |
| 8510 / 8495     | DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina                            | DEF AT 5       |
| 13730 / 13638   | POS IN Lower Pliocene (Zanclian) Globigerinoides mitra                                       | DEF AT 5       |
| 13731 / 13639   | DEF AT anhydrite   | DEF AT 5       |
| 13732 / 13640   | POS AT salt  | DEF AT 5       |
| 13790 / 13698   | DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens                                     | DEF AT 5       |
| 13970 / 13878   | POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)                             | DEF AT 5       |
| 15800 / 15708   | POS AT Upper Miocene (Tortonian) Globorotalia linguaensis                                    | DEF AT 5       |

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|                                 |  |                             |
|---------------------------------|--|-----------------------------|
| Area Block: MC 617              | Date of Summary: 27-JUL-2004                         | First Sample Examined: 2932 |
| Lease Number: G18265            | Source of Paleo: OPERATOR                            | Borehole MD: 19272          |
| Well Name: 001                  | Paleo Done By: PALEO-DATA, INC.                      | Borehole TVD: 19173         |
| API Well Number: 608174104400   | Drilling Operator: SPINNAKER EXPLORATION COMPANY LLC | Rkb Elevation: 89           |
| Paleo Report Num: 1 of 2        | Sample Range: 2932 - 19272                           | Water Depth: 563            |
| Public Info Code: Y 02-SEP-2004 | Ecozone Eq MMS: Y                                    | Paleo ID: 001               |

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| <u>MD / TVD</u> | <u>Paleo Top Description</u>                    | <u>Ecozone</u> |
|-----------------|---|----------------|
| 18560 /18463    | POS AT Upper Miocene (Tortonian) Textularia "L" | DEF AT 5       |
| 19272 /19173    | DEF AT last sample examined                     | DEF AT 5       |



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|                                 |  |                             |
|---------------------------------|--|-----------------------------|
| Area Block: MC 617              | Date of Summary: 27-JUL-2004                         | First Sample Examined: 4010 |
| Lease Number: G18265            | Source of Paleo: OPERATOR                            | Borehole MD: 19272          |
| Well Name: 001                  | Paleo Done By: PALEO-DATA, INC.                      | Borehole TVD: 19173         |
| API Well Number: 608174104400   | Drilling Operator: SPINNAKER EXPLORATION COMPANY LLC | Rkb Elevation: 89           |
| Paleo Report Num: 2 of 2        | Sample Range: 4010 - 19272                           | Water Depth: 563            |
| Public Info Code: Y 02-SEP-2004 | Ecozone Eq MMS:                                      | Paleo ID: 002               |

Remark: Report=nannos; nannospecies abundance and diversity chart available, see report for details

| <u>MD / TVD</u> | <u>Paleo Top Description</u>  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4010 / 4010     | DEF AT first sample examined  | DEF AT 0       |
| 4310 / 4309     | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"          | DEF AT 0       |
| 5270 / 5264     | DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata                 | DEF AT 0       |
| 5720 / 5713     | DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme) | DEF AT 0       |
| 5750 / 5743     | DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)  | DEF AT 0       |
| 5840 / 5833     | POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii               | DEF AT 0       |
| 6680 / 6669     | DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii               | DEF AT 0       |
| 6740 / 6729     | DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii            | DEF AT 0       |
| 6980 / 6968     | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri                    | DEF AT 0       |
| 7070 / 7058     | DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"                | DEF AT 0       |
| 7100 / 7088     | DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus               | DEF AT 0       |
| 7130 / 7118     | DEF AT Upper Pliocene (Gelasian) Discoaster surculus                    | DEF AT 0       |
| 7160 / 7148     | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis                   | DEF AT 0       |
| 8630 / 8614     | POS AT Lower Pliocene (Zanclian) Sphenolithus abies                     | DEF AT 0       |
| 10670 / 10648   | DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica        | DEF AT 0       |
| 13430 / 13339   | DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)    | DEF AT 0       |
| 13730 / 13638   | DEF AT Upper Miocene (Messinian) Discoaster berggrenii                  | DEF AT 0       |
| 13760 / 13668   | DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria               | DEF AT 0       |
| 13790 / 13698   | POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"              | DEF AT 0       |
| 13820 / 13728   | POS AT Upper Miocene (Tortonian) Discoaster loeblichii                  | DEF AT 0       |
| 13910 / 13818   | POS AT Upper Miocene (Tortonian) Catinaster mexicanus                   | DEF AT 0       |
| 13970 / 13878   | DEF AT Upper Miocene (Tortonian) Minylitha convallis                    | DEF AT 0       |

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|                                 |  |
|---------------------------------|--|
| Area Block: MC 617              | Date of Summary: 27-JUL-2004                         |
| Lease Number: G18265            | Source of Paleo: OPERATOR                            |
| Well Name: 001                  | Paleo Done By: PALEO-DATA, INC.                      |
| API Well Number: 608174104400   | Drilling Operator: SPINNAKER EXPLORATION COMPANY LLC |
| Paleo Report Num: 2 of 2        | Sample Range: 4010 - 19272                           |
| Public Info Code: Y 02-SEP-2004 | Ecozone Eq MMS:                                      |

|                        |       |
|------------------------|-------|
| First Sample Examined: | 4010  |
| Borehole MD:           | 19272 |
| Borehole TVD:          | 19173 |
| Rkb Elevation:         | 89    |
| Water Depth:           | 563   |
| Paleo ID:              | 002   |

| <u>MD / TVD</u> | <u>Paleo Top Description</u>  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 15290 /15198    | DEF IN Upper Miocene (Tortonian) Minylitha convallis                    | DEF AT 0       |
| 15410 /15318    | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus            | DEF AT 0       |
| 15800 /15708    | DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase) | DEF AT 0       |
| 17240 /17146    | DEF AT Upper Miocene (Tortonian) Discoaster bollii                      | DEF AT 0       |
| 18500 /18403    | DEF AT Upper Miocene (Tortonian) Discoaster hamatus                     | DEF AT 0       |
| 19010 /18912    | DEF IN Upper Miocene (Tortonian) Catinaster coalitus                    | DEF AT 0       |
| 19272 /19173    | DEF AT last sample examined   | DEF AT 0       |

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|                                 |  |                             |
|---------------------------------|--|-----------------------------|
| Area Block: Ml 633              | Date of Summary: 24-AUG-1994             | First Sample Examined: 4950 |
| Lease Number: G07202            | Source of Paleo: OPERATOR                | Borehole MD: 9435           |
| Well Name: A003                 | Paleo Done By: OPERATOR                  | Borehole TVD: 8696          |
| API Well Number: 427034047200   | Drilling Operator: SANTA FE MINERALS INC | Rkb Elevation: 134          |
| Paleo Report Num: 1 of 2        | Sample Range: 4950 - 9435                | Water Depth: 80             |
| Public Info Code: Y 03-SEP-2004 | Ecozone Eq MMS: Y                        | Paleo ID: 002               |

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## Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4950 / 4813     | DEF AT first sample examined  | DEF AT 2       |
| 5060 / 4905     | DEF AT Middle Miocene (Langhian) Amphistegina "B"                   | DEF AT 2       |
| 6170 / 5817     | DEF AT Lower Miocene (Burdigalian) Robulus 54B                      | DEF AT 2       |
| 6740 / 6306     | DEF AT Lower Miocene (Burdigalian) Robulus chambersi                | DEF AT 3       |
| 8090 / 7504     | DEF IN Lower Miocene (Burdigalian) Robulus chambersi                | DEF AT 3       |
| 8990 / 8299     | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 3       |
| 9435 / 8696     | DEF AT last sample examined   | DEF AT 3       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: Ml 633              | Date of Summary: 14-OCT-1994                      | First Sample Examined: 0 |
| Lease Number: G07202            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9435        |
| Well Name: A003                 | Paleo Done By: OPERATOR                           | Borehole TVD: 8696       |
| API Well Number: 427034047200   | Drilling Operator: SANTA FE MINERALS INC          | Rkb Elevation: 134       |
| Paleo Report Num: 2 of 2        | Sample Range: 0 - 0                               | Water Depth: 80          |
| Public Info Code: Y 03-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                              | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5060 / 4905     | DEF AT Middle Miocene (Langhian) Amphistegina "B"         | DEF AT 0       |
| 6170 / 5817     | DEF AT Lower Miocene (Burdigalian) Robulus 54B            | DEF AT 0       |
| 6740 / 6306     | DEF AT Lower Miocene (Burdigalian) Cristellaria "A"       | DEF AT 0       |
| 8090 / 7504     | DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis | DEF AT 0       |
| 9252 / 8533     | DEF IN Lower Miocene (Burdigalian) Robulus chambersi      | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: MP 299              | Date of Summary: 29-AUG-1994                                  | First Sample Examined: 0 |
| Lease Number: G09372            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY)             | Borehole MD: 4199        |
| Well Name: SW202                | Paleo Done By: OPERATOR                                       | Borehole TVD: 1884       |
| API Well Number: 177244069300   | Drilling Operator: FREEPORT MCMORAN RESOURCE PARTNERS LIMITED | Rkb Elevation: 163       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0   | Water Depth: 210         |
| Public Info Code: Y 20-SEP-2004 | Ecozone Eq MMS:   | Paleo ID: 001            |

Remark: Sulfur test

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 3458 / 1663     | DEF AT caprock               | DEF AT 0       |
| 3465 / 1664     | DEF AT sulphur               | DEF AT 0       |
| 4195 / 1883     | DEF AT anhydrite             | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: MU 786              | Date of Summary: 22-SEP-1994                      | First Sample Examined: 0 |
| Lease Number: G10152            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 11949       |
| Well Name: 003                  | Paleo Done By: OPERATOR                           | Borehole TVD: 10329      |
| API Well Number: 427024022900   | Drilling Operator: VASTAR RESOURCES INC.          | Rkb Elevation: 77        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 173         |
| Public Info Code: Y 14-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 5795 / 5707     | DEF AT Middle Miocene (Langhian) Robulus "L" / 43                   | DEF AT 0       |
| 7290 / 6839     | DEF AT Lower Miocene (Burdigalian) Robulus 54B                      | DEF AT 0       |
| 7880 / 7257     | DEF AT Lower Miocene (Burdigalian) Robulus chambersi                | DEF AT 0       |
| 8350 / 7594     | DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 0       |

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|---------------------------------|---|--------------------------|
| Area Block: SP 60               | Date of Summary: 25-OCT-1994                      | First Sample Examined: 0 |
| Lease Number: G01608            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 5898        |
| Well Name: B001                 | Paleo Done By: OPERATOR                           | Borehole TVD: 5452       |
| API Well Number: 177214002001   | Drilling Operator: VASTAR RESOURCES INC.          | Rkb Elevation: 125       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 206         |
| Public Info Code: Y 19-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 4132 / 3968     | POS IN Pliocene              | DEF AT 0       |
| 5350 / 5024     | POS IN Pliocene              | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: SS 31               | Date of Summary: 22-MAR-2000                      | First Sample Examined: 0 |
| Lease Number: 00334             | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15888       |
| Well Name: 010                  | Paleo Done By: OPERATOR                           | Borehole TVD: 15722      |
| API Well Number: 177114114200   | Drilling Operator: KERR-MCGEE CORPORATION         | Rkb Elevation: 125       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 16          |
| Public Info Code: Y 23-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 13670 /13590    | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 0       |
| 13770 /13688    | DEF IN Upper Miocene (Tortonian) Cyclammina 3 | DEF AT 0       |
| 14770 /14656    | DEF AT Upper Miocene (Tortonian) Discorbis 12 | DEF AT 4       |



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|                                 |  |                          |
|---------------------------------|--|--------------------------|
| Area Block: SS 253              | Date of Summary: 22-DEC-1994                       | First Sample Examined: 0 |
| Lease Number: G01529            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  | Borehole MD: 11996       |
| Well Name: F003                 | Paleo Done By: OPERATOR                            | Borehole TVD: 11061      |
| API Well Number: 177124052200   | Drilling Operator: UNION OIL COMPANY OF CALIFORNIA | Rkb Elevation: 110       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                                | Water Depth: 163         |
| Public Info Code: Y 25-SEP-2004 | Ecozone Eq MMS:                                    | Paleo ID: 001            |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                                  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 4414 / 4273     | DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"         | DEF AT 0       |
| 5747 / 5475     | DEF IN Upper Pliocene (Gelasian) Cristellaria "S"             | DEF AT 0       |
| 8482 / 7929     | DEF IN Upper Pliocene (Gelasian) Cristellaria "S"             | DEF AT 0       |
| 11177 / 10354   | DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P" | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: VK 826              | Date of Summary: 24-FEB-1995                      | First Sample Examined: 0 |
| Lease Number: G06888            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 8250        |
| Well Name: A004                 | Paleo Done By: OPERATOR                           | Borehole TVD: 6852       |
| API Well Number: 608164020500   | Drilling Operator: ORYX ENERGY COMPANY            | Rkb Elevation: 82        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 1920        |
| Public Info Code: Y 14-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                               | <u>Ecozone</u> |
|-----------------|--|----------------|
| 5126 / 4699     | DEF AT Lower Pliocene (Zanclian) Sphenolithus abies        | DEF AT 0       |
| 5810 / 5177     | DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra     | DEF AT 0       |
| 6511 / 5669     | DEF AT Upper Miocene (Messinian) Discoaster quinquerramus  | DEF AT 0       |
| 6792 / 5866     | DEF IN Upper Miocene (Messinian) Discoaster berggrenii     | DEF AT 0       |
| 7624 / 6435     | DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A" | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: VK 862              | Date of Summary: 13-SEP-1994                      | First Sample Examined: 0 |
| Lease Number: G13064            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 7410        |
| Well Name: 001                  | Paleo Done By: OPERATOR                           | Borehole TVD: 6443       |
| API Well Number: 608164020301   | Drilling Operator: WALTER OIL & GAS CORPORATION   | Rkb Elevation: 82        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 1037        |
| Public Info Code: Y 08-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 5000 / 4281     | POS AT Pliocene              | DEF AT 0       |
| 7120 / 6162     | POS AT Pliocene              | DEF AT 0       |

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|---------------------------------|---|--------------------------|
| Area Block: VR 218              | Date of Summary: 10-NOV-1994                      | First Sample Examined: 0 |
| Lease Number: G01142            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 9765        |
| Well Name: B010                 | Paleo Done By: OPERATOR                           | Borehole TVD: 9397       |
| API Well Number: 177054096100   | Drilling Operator: SCANA PETROLEUM RESOURCES INC  | Rkb Elevation: 99        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 121         |
| Public Info Code: Y 09-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                          | <u>Ecozone</u> |
|-----------------|---|----------------|
| 8300 / 8004     | POS AT Lower Pleistocene (Calabrian) Angulogerina "B" | DEF AT 0       |

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|---------------------------------|---|--------------------------|
| Area Block: VR 251              | Date of Summary: 26-FEB-1997                      | First Sample Examined: 0 |
| Lease Number: G01149            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 15460       |
| Well Name: D006                 | Paleo Done By: OPERATOR                           | Borehole TVD: 13402      |
| API Well Number: 177054104200   | Drilling Operator: CHEVRON USA INC                | Rkb Elevation: 104       |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 143         |
| Public Info Code: Y 06-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u> | <u>Ecozone</u> |
|-----------------|------------------------------|----------------|
| 9920 / 7966     | POS AT Pliocene              | DEF AT 0       |

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|---------------------------------|---|--------------------------|
| Area Block: VR 371              | Date of Summary: 07-NOV-2001                      | First Sample Examined: 0 |
| Lease Number: G09524            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 12350       |
| Well Name: A005                 | Paleo Done By: OPERATOR                           | Borehole TVD: 11400      |
| API Well Number: 177064072500   | Drilling Operator: SAMEDAN OIL CORPORATION        | Rkb Elevation: 95        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 298         |
| Public Info Code: Y 07-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark:

| <u>MD / TVD</u> | <u>Paleo Top Description</u>                            | <u>Ecozone</u> |
|-----------------|---|----------------|
| 10600 / 9930    | DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica | DEF AT 0       |
| 11050 / 10279   | DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis   | DEF AT 0       |

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|                                 |   |                          |
|---------------------------------|---|--------------------------|
| Area Block: WC 98               | Date of Summary: 10-APR-1995                      | First Sample Examined: 0 |
| Lease Number: G12757            | Source of Paleo: COMPLETION REPORT (WELL SUMMARY) | Borehole MD: 13600       |
| Well Name: A001                 | Paleo Done By: OPERATOR                           | Borehole TVD: 13595      |
| API Well Number: 177004089600   | Drilling Operator: EL PASO PRODUCTION GOM INC     | Rkb Elevation: 96        |
| Paleo Report Num: 1 of 1        | Sample Range: 0 - 0                               | Water Depth: 43          |
| Public Info Code: Y 25-SEP-2004 | Ecozone Eq MMS:                                   | Paleo ID: 001            |

Remark: In=sand

| <u>MD / TVD</u> | <u>Paleo Top Description</u>  | <u>Ecozone</u> |
|-----------------|---|----------------|
| 12691 /12688    | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 0       |
| 13302 /13298    | DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A" | DEF AT 0       |